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                                                  ((.(((((..(((.((.....)).)..)))(((((.......)))))))(........)).
chr-3.trna7-Leu-CAG      GAUGGCUGUAGUUCAG-UGGA-GAGAAUACCUUACUCAGGUCGUGGGG----------- 46
chr-16.trna12-Leu-GAG    GUGG-CUGUAGUUUAG-UGGU-GAGAAUUCCACGUUGAGGCCAUAGAA----------- 45
chr-3.trna22-Leu-AAG     GU-UCAUAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG----AAAGG- 54
chr-5.trna10-Leu-AAG     GU-UCAUAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG----AAAGG- 54
chr-5.trna12-Leu-AAG     GU-UCAUAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG----AAAGG- 54
chr-5.trna18-Leu-AAG     GU-UCAUAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG----AAAGG- 54
chr-20.trna4-Leu-AAG     GU-UCAUAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG----AAAGG- 54
chr-20.trna16-Leu-AAG    GU-UCAUAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG----AAAGG- 54
chr-20.trna1-Leu-AAG     GU-UCAUAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG----AAAGG- 54
chr-1.trna11-Leu-CAG     GU-CGAUAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCG----AAAGG- 54
chr-1.trna8-Leu-CAG      GU-CGAUAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCG----AAAGG- 54
chr-9.trna8-Leu-CAG      GU-CGAUAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCG----AAAGG- 54
chr-19.trna16-Leu-CAG    GU-CGAUAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCG----AAAGG- 54
chr-20.trna2-Leu-AAG     GUGUCAUAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG----AAAGG- 55
chr-4.trna19-Leu-TAG     GA-CGGUUUGGCCGAG-UGGUCUAAGGCGCUGGAUUUAGGCUCCAGUUCG----AAAGA- 53
chr-14.trna6-Leu-TAG     GA-CGGUUUGGCCGAG-UGGUCUAAGGCGCUGGAUUUAGGCUCCAGUUCG----AAAGA- 53
chr-4.trna21-Leu-TAG     GA-CGGUUUGGCCGAG-UGGUCUAAGGCGCUGGAUUUAGGCUCCAGUCCG----AAAGG- 53
chr-9.trna9-Leu-TAG      GA-CGGUUUGGCCGAG-CGGUCUAAGGCGCUGGAUUUAGGCUCCAGUCCG----GAAGG- 53
chr-1.trna16-Leu-TAG     GA-CGGUUUGGCCGAG-CGGUCUAAGGCGCUGGAUUUAGGCUCCAGUUCG----AGAGG- 53
chr-22.trna30-Leu-CAA    GU-CAGCAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUUCGUAAGGGG- 57
chr-6.trna6-Leu-CAA      GU-CAGCAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUUCGUAAGGGG- 57
chr-6.trna26-Leu-CAA     GU-CAGCAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUUCGUAAGGGG- 57
chr-22.trna2-Leu-CAA     GU-CAGCAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUUCGUAAGGGG- 57
chr-19.trna4-Leu-CAA     GU-CAGCAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUUCGUAAGGGG- 57
chr-19.trna22-Leu-CAA    GU-CAGCAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUUCGUAAGGGG- 57
chr-19.trna17-Leu-CAA    GU-CAGCAUGGCCGAG-UGGUCCAAGGCGCCAGACUCAAGUUCUGGUCUUCGUAAGGGG- 57
chr-12.trna10-Leu-CAA    GU-CAGCAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUUCGGAAGGGG- 57
chr-4.trna7-Leu-TAA      GC-UGGCUUGCCCGAG-UGGUCUAAGGGGGGCGACUUAAGAUCGCCUAUGCGUAGGCAU- 57
chr-4.trna18-Leu-TAA     GC-UGGCUUGCCCGAG-UGGUCUAAGGGGGGCGACUUAAGAUCGCCUAUGCGUAGGCAU- 57
chr-6.trna32-Leu-TAA     GC-UGGCUUGCCCGAG-UGGUCUAAGGGGGGCGACUUAAGAUCGCCUAUGCGUAGGCAU- 57
chr-19.trna13-Leu-TAA    GC-UGGCUUGCCCGAG-UGGUCUAAGGGGGGCGACUUAAGAUCGCCUAUGCGUAGGCAU- 57
chr-4.trna13-Leu-TAG     GC-GGAUAUGAUGGAAUUGGUAG-ACAUGCCAGGUUUAGGUUCUGGUGACUAUAAUGUUU 58
                         .........10........20........30........40........50.........

                         ..(((((.......)))))))))))).
chr-3.trna7-Leu-CAG      ACCUGGGCUUGUAACCCAGCAGUAUCA 73
chr-16.trna12-Leu-GAG    ACCUAGGCUUGAAUCCCAACAGCCACA 72
chr-3.trna22-Leu-AAG     GCGUGGGUUCGAAUCCCACUGUGAACA 81
chr-5.trna10-Leu-AAG     GCGUGGGUUCGAAUCCCACUGUGAACA 81
chr-5.trna12-Leu-AAG     GCGUGGGUUCGAAUCCCACUGUGAACA 81
chr-5.trna18-Leu-AAG     GCGUGGGUUCGAAUCCCACUGUGAACA 81
chr-20.trna4-Leu-AAG     GCGUGGGUUCGAAUCCCACUGUGAACA 81
chr-20.trna16-Leu-AAG    GCGUGGGUUCGAAUCCCACUGUGAACA 81
chr-20.trna1-Leu-AAG     GCGUGGGUUCGAAUCCCACUGUGAACA 81
chr-1.trna11-Leu-CAG     GCGUGGGUUCGAAUCCCACUGUCGACA 81
chr-1.trna8-Leu-CAG      GCGUGGGUUCGAAUCCCACUGUCGACA 81
chr-9.trna8-Leu-CAG      GCGUGGGUUCGAAUCCCACUGUCGACA 81
chr-19.trna16-Leu-CAG    GCGUGGGUUCGAAUCCCACUGUCGACA 81
chr-20.trna2-Leu-AAG     GCGUGGGUUCGAAUCCCACUGUGAACA 82
chr-4.trna19-Leu-TAG     GCGUGGGUUCAAAUCCCACAGCCGUCA 80
chr-14.trna6-Leu-TAG     GCGUGGGUUCAAAUCCCACAGCCGUCA 80
chr-4.trna21-Leu-TAG     GCGUGGGUUCAAAUCCCACAGCCGUCA 80
chr-9.trna9-Leu-TAG      GCGUGGGUUCAAAUCCCACAGCCGUCA 80
chr-1.trna16-Leu-TAG     GCGUGGGUUUAAAUCCCACAGCCGUCA 80
chr-22.trna30-Leu-CAA    GCGUGGGUUCGAACCCCACUGCUGACA 84
chr-6.trna6-Leu-CAA      GCGUGGGUUCGAACCCCACUGCUGACA 84
chr-6.trna26-Leu-CAA     GCGUGGGUUCGAACCCCACUGCUGACA 84
chr-22.trna2-Leu-CAA     GCGUGGGUUCGAACCCCACUGCUGACA 84
chr-19.trna4-Leu-CAA     GCGUGGGUUCGAACCCCACUGCUGACA 84
chr-19.trna22-Leu-CAA    GCGUGGGUUCGAACCCCACUGCUGACA 84
chr-19.trna17-Leu-CAA    GCGUGGGUUCGAACCCCACUGCUGACA 84
chr-12.trna10-Leu-CAA    GCGUGGGUUCGAACCCCACUGCUGACA 84
chr-4.trna7-Leu-TAA      GCGUGGGUUCAAACCCCACAGCCAGCA 84
chr-4.trna18-Leu-TAA     GCGUGGGUUCAAACCCCACAGCCAGCA 84
chr-6.trna32-Leu-TAA     GCGUGGGUUCAAACCCCACAGCCAGCA 84
chr-19.trna13-Leu-TAA    GCGUGGGUUCAAACCCCACAGCCAGCA 84
chr-4.trna13-Leu-TAG     GUGGGGGUUCGAGUCCCUCUAUCCGUA 85
                         .........70........80......
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